



State Water Resources Control Board
 Temporary Urgency Change Order (12/14/2022)

Russian River Hydrologic Report
 December 23, 2022 - December 29, 2022

Prepared as a requirement of the Order approving Sonoma Water's Petition for Temporary Urgency Change in Permits 12947A, 12949, 12950, and 16596 (Applications 12919A, 15736, 15737, and 19351).

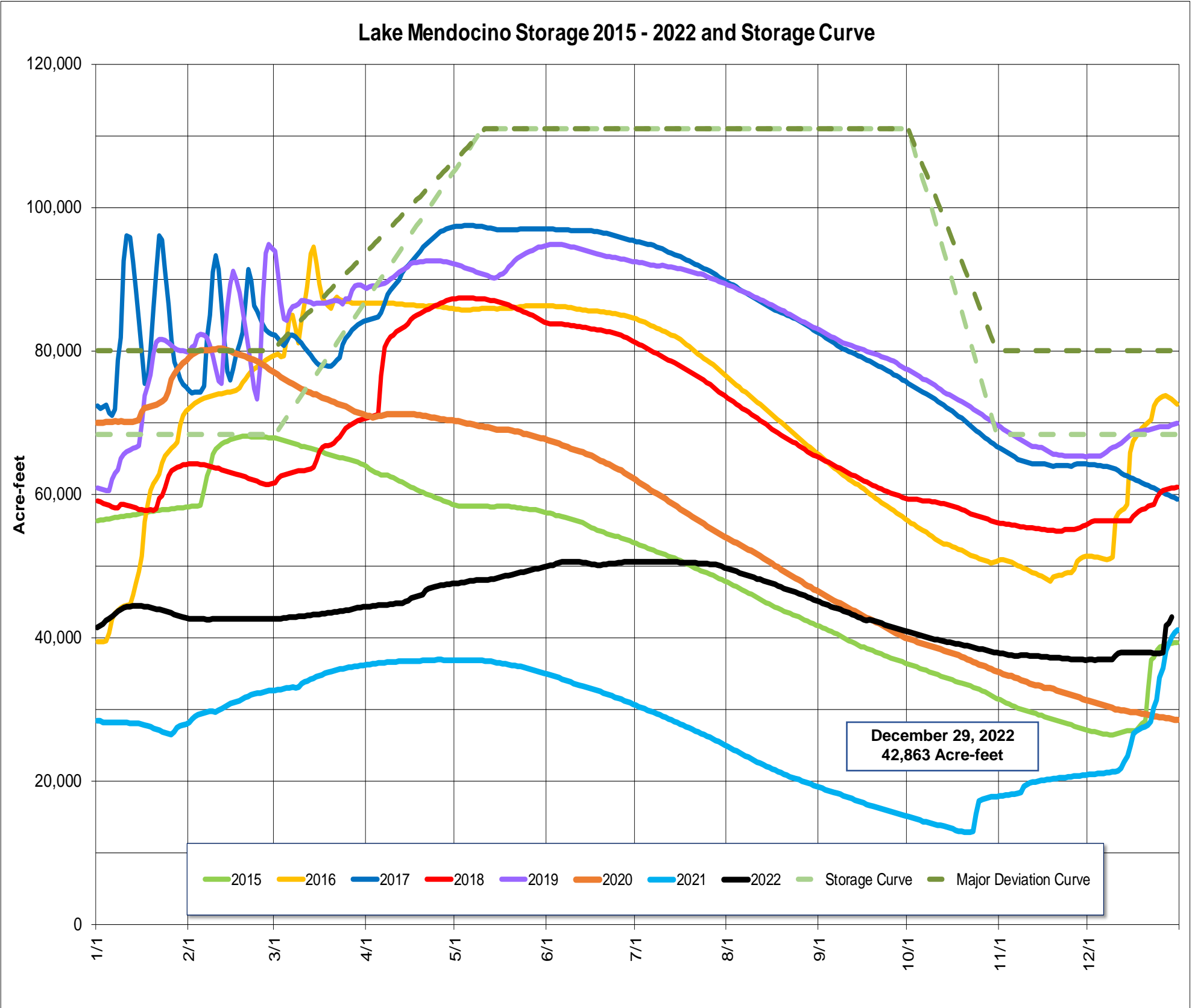
Instream Flow Requirements as of December 29, 2022

Basis	Reach	Instantaneous (cfs)	5-day Average (cfs)
Modified Per Order: Critical Condition	Upper Russian River	25	-
D-1610: Critical Condition	Dry Creek	75	-
Modified Per Order: Critical Condition	Lower Russian River	35	-

Upper and Lower Russian River based on criteria as established in the Order issued 12/14/2022.

Lake Mendocino

Lake Mendocino Storage 2015 - 2022 and Storage Curve



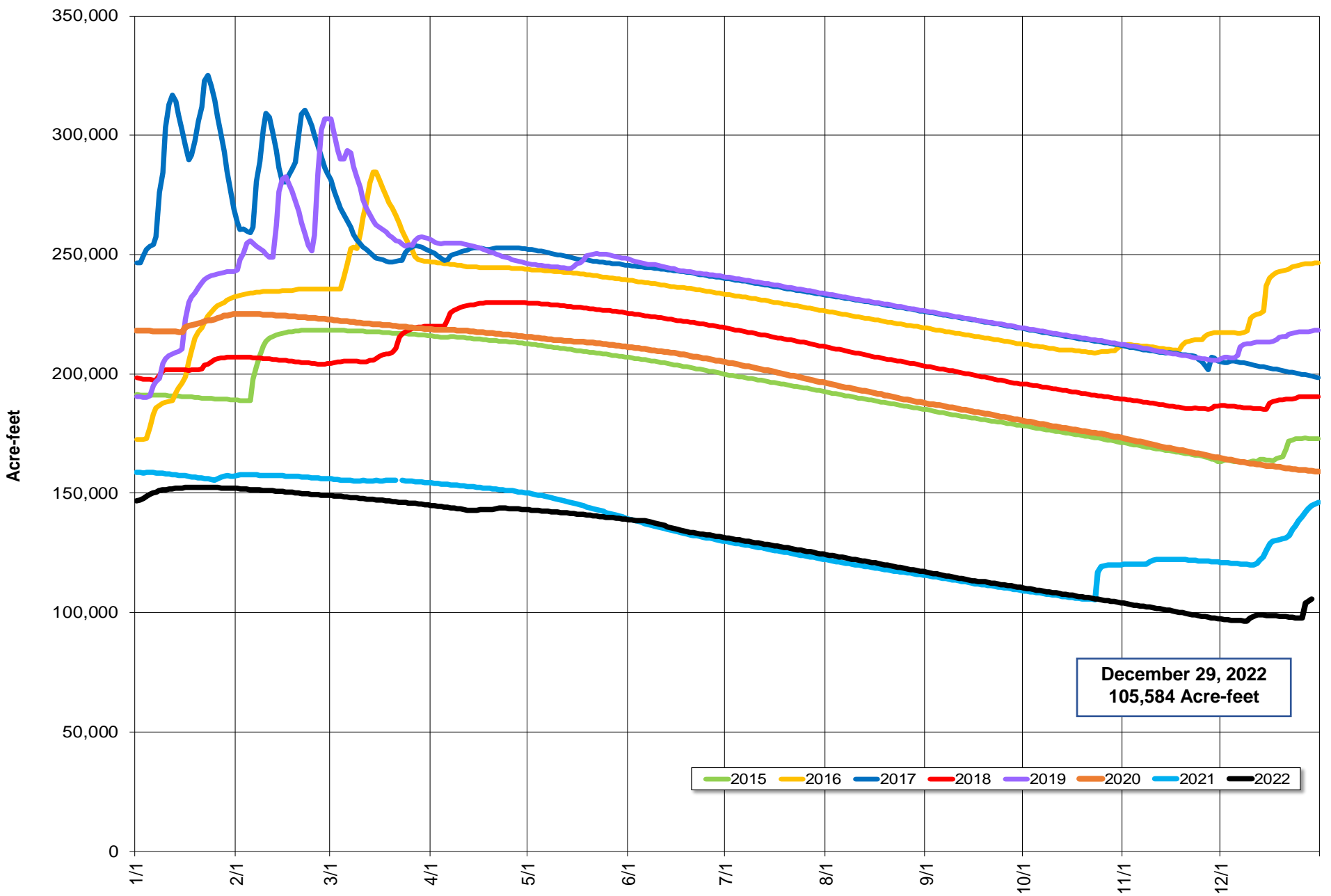
Storage (acre-feet)	December 29, 2022	42,863	
Change in Storage (acre-feet)	Last 30 days	5,940	198
	Last 7 days	4,979	711
Daily Inflow (cfs)	Last 7 days	Min	21
		Max	1,896
		Mean	387
Release (cfs)	Last 7 days	Min	27
		Max	27
		Mean	27

Lake Sonoma



Nathan Baskett, March 3, 2011

Lake Sonoma Storage 2015-2022



Storage (acre-feet)	December 29, 2022	105,584	
		Total	Average Daily Rate
Change in Storage (acre-feet)	Last 30 days	7,974	266
	Last 7 days	7,591	1,084
Daily Inflow (cfs)	Last 7 days	Min	14
		Max	3,149
		Mean	618
Release (cfs)	Last 7 days	Min	77
		Max	109
		Mean	79

Potter Valley Project

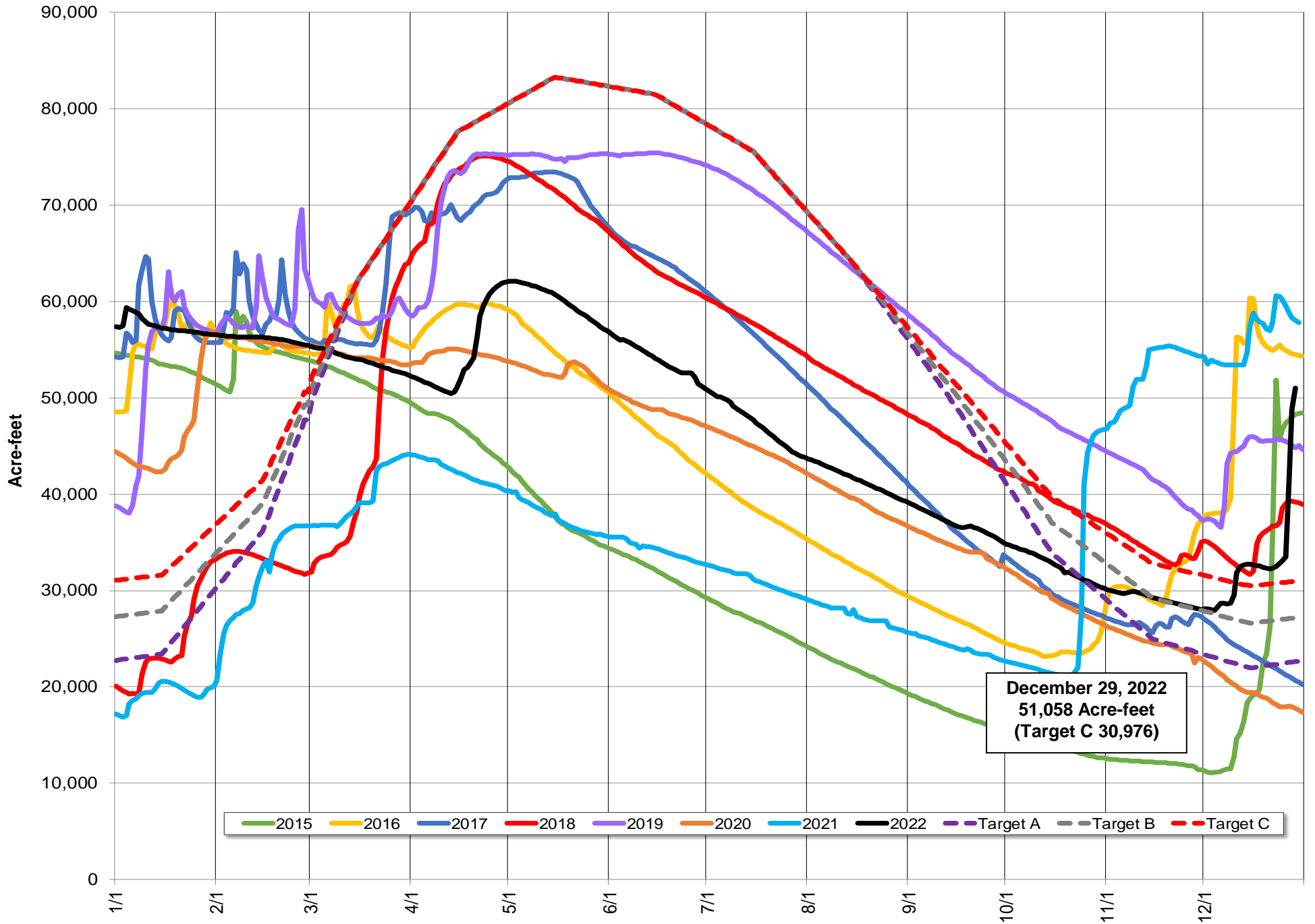
PVP Diversion (cfs)	December 29, 2022	45
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Lake Pillsbury

Parameter	Date Range	Cumulative	Daily Average
Inflow* (acre-feet)	October 1, 2022 - December 29, 2022	36,250	403
	Last 7 days	20,621	2,946

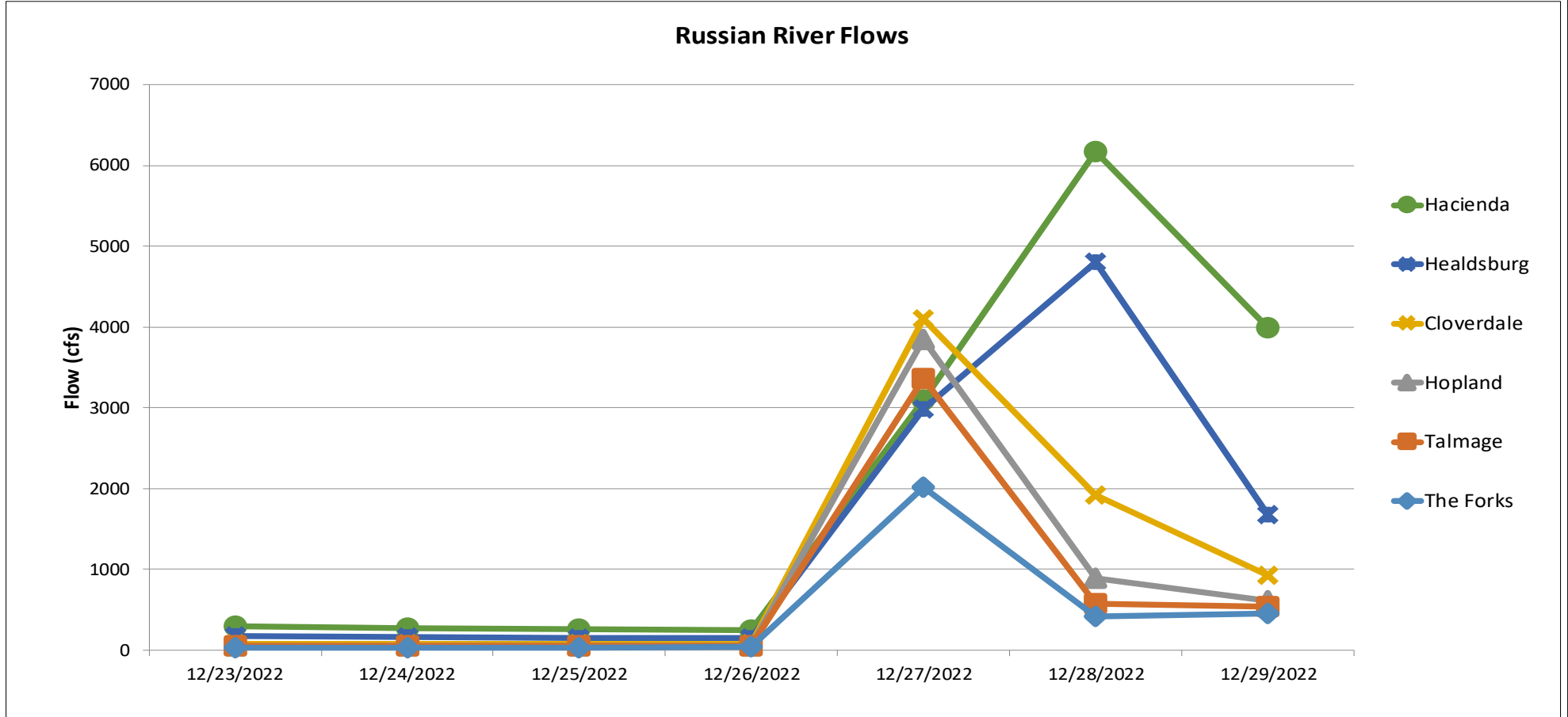
*Inflow calculation based on criteria established in D1610

Lake Pillsbury Storage 2015-2022 and Target Storage Scenarios



Gage	24-hr Average Flow (cfs)						
	Dec 23, 2022	Dec 24, 2022	Dec 25, 2022	Dec 26, 2022	Dec 27, 2022	Dec 28, 2022	Dec 29, 2022
The Forks*	35	35	34	37	2010	419	447
Talmage USGS 11462080	56	55	54	55	3354	577	533
Hopland USGS 11462500	54	52	50	49	3846	886	607
Cloverdale USGS 11463000	80	76	73	72	4097	1913	923
Healdsburg USGS 11464000	169	157	148	145	2979	4802	1671
Hacienda USGS 11467000	294	273	254	242	3093	6169	3986

*West Fork(USGS 11461000) + East Fork (Coyote Valley Dam Release)

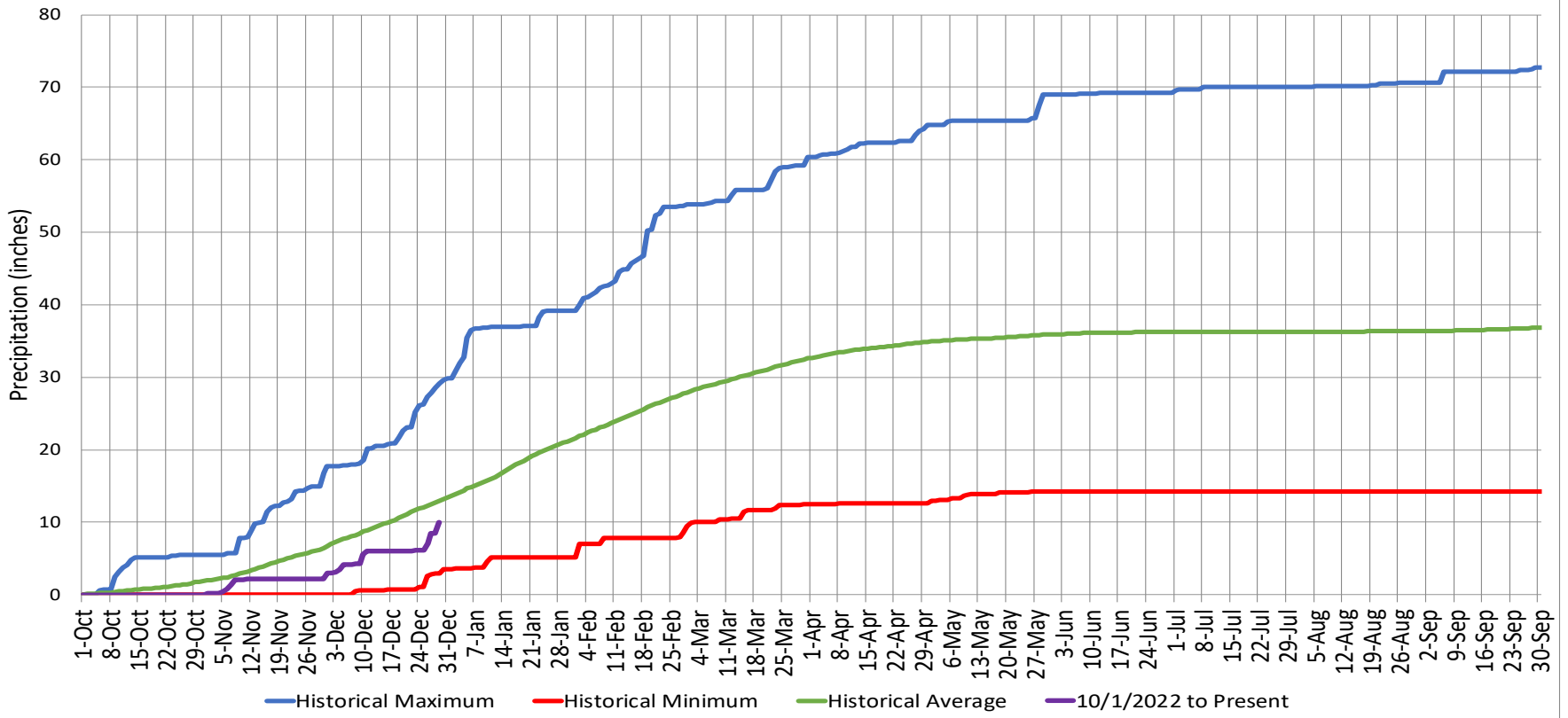


Precipitation

Ukiah Municipal Airport (WBAN: 72590523275 (KUKI))

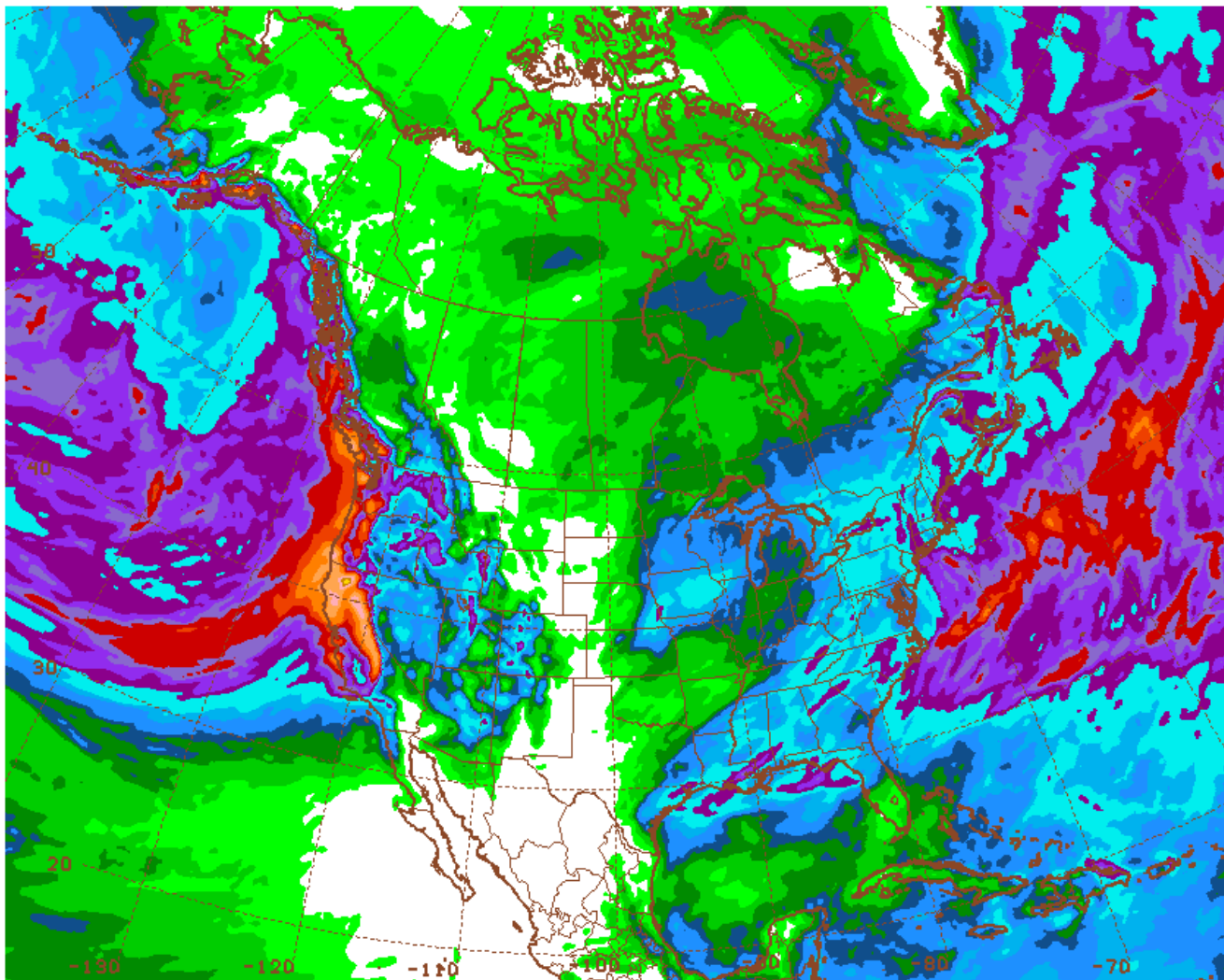
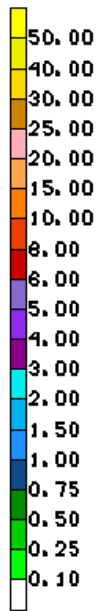
Date Range	Cumulative (inches)
Oct 1, 2022 - Dec 29, 2022	11.65
Last 7 Days*	3.94

Cumulative Precipitation Comparison of Current Year versus Historic Record



Global Forecast System Model 16-day Cumulative Precipitation Forecast

GFS 01/04/23 12UTC 384HR FCST VALID FRI 01/20/23 12UTC NOAA/NWS/NCEP



GFS FRI 230120/1200V384 384HR ACCUMULATED PRECIP (IN)

Date Range
Jan 4 - Jan 20, 2023

Forecasted Cumulative (inches)
16.18